

Notice of Allowability

Application No.

10/729,283

Examiner

Dan I. Davidson

Applicant(s)

YAMANOUCHI, HIDETAKE

Art Unit

2651

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to January 3, 2006.
2. ☒ The allowed claim(s) is/are 3-4, 6, 9-10, and 12-14 renumbered as 1, 3, 2, 5, 7, 6, 8, and 4.
3. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☒ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____


WAYNE YOUNG
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT AND REASONS FOR ALLOWANCE

1. The following changes to the drawings have been approved by the examiner and agreed upon by applicant:

(1) A prior art label is required for Figure 1.

(2) In Figure 1, Box S2, "temperauters" has been replaced with --temperatures--.

(3) In the keys to Figures 2 and 3, respectively, "ordinaty" has been replaced with --ordinary--.

(4) In Figure 4, Boxes S11, S12, and S15, respectively, "ordinaty" has been replaced with --ordinary--.

(5) In Figure 4, Box S12, "oprimum" has been replaced with --optimum--.

In order to avoid abandonment of the application, applicant must make these above agreed upon drawing changes.

2. The following is an examiner's statement of reasons for allowance:

Re claims 3 and 9; the prior art of record fails to teach or suggest a write precompensation amount setting method (apparatus) comprising an irregular electric current lower than the electric current used at the ordinary temperature.

Re claims 4 and 10; the prior art of record fails to teach or suggest a write precompensation amount setting method (apparatus) comprising obtaining a precompensation amount of each head with an electric current lower than the electric current used at the ordinary temperature, and determining a write precompensation amount at the low temperature according to the obtained precompensation amount.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Yang (US 6,954,320 B2), Lamberts (US 2002/0105748 A1), and Ishii (JP 2002170202 A) teach optimizing write precompensation in response to temperature.

Yamasaki et al (US 6,043,944 A) teach extending precompensation range to prevent catastrophic failure.

4. The Examiner has included in the file the published PCT of the instant application (WO 03/005348 A1) along with its search report.


5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dan I. Davidson whose telephone number is (571) 272-7552. The examiner can normally be reached on Monday-Friday. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrea L. Wellington, can be reached on (571) 272-4483. The fax phone number for the organization where this application or proceeding is assigned is (571) 273-8300. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For

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more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

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Dan I Davidson
March 16, 2006



WAYNE YOUNG
SUPERVISORY PATENT EXAMINER